



EG- SAFETY DATA SHEET

Name of the Product: NIROSTOL 55

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Distributed by:

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SECTION 1

SUBSTANCE / PREPARATION AND COMPANY NAME

PRODUCT

Product name:

Material Safety Data Sheet according to 91/155/EEC

Product Description:

"NIROSTOL 55"

Product Key:

White oil

Intended application:

2010B0201085, 407335, 750364-60

Cosmetics, lubricant, pharmaceutical, plastics,

Rubber applications, depending on applicable laws and rules

COMPANY NAME

Supplier: Manfred Fedler jun.

MF Dienstleistungen

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24 hours emergency telephone: 030-19240 (poison emergency Berlin)

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

No reportable hazardous substance (s) or complex substance (s).

NOTE: For the complete text of the R-phrases see Section 16

SECTION 3

HAZARDS IDENTIFICATION

This product is not classified as dangerous according to EU directives (see section 15).

HEALTH HAZARDS

If swallowed, the substance may be aspirated and cause lung damage. Low toxicity degree. Excessive exposure can cause irritation of the eyes, skin or respiratory tract leads. Injection under the skin at high pressure can cause severe damage.

Note: Without consulting an expert this substance should be used for no other than the intended purposes (see section 1). Health studies have shown that exposure to chemical agents present potentially risks to human health, which can be pronounced differently and may impact differently to various persons.

SECTION 4

FIRST AID MEASURES

INHALATION

The product must be removed from the contact area. Helpers must avoid burdens for themselves and others. Wear appropriate respiratory protection. In case of respiratory tract irritation, dizziness, nausea or unconsciousness seek immediately medical assistance. At respiratory arrest the respiration must be supported through a artificial respiration device, or by mouth to mouth breathing.

Internet : <http://www.MF-Dienstleistungen.de>

e-Mail : MF-Dienstleistungen@t-online.de

SKIN CONTACT

Wash the contaminated area with water and soap. If the product was injected in or under the skin or into a body part, the person should be immediately investigated by the doctor as a surgical emergency independent of the appearance or the size of the wound. Although at high pressure injection the symptoms can be minimal or absent, early surgical treatment within the first few hours may reduce the extent of injury significantly.

EYE CONTACT

Rinse thoroughly with water. If irritation occurs, seek medical assistance.

INGESTION

Request immediately medical assistance. Do not induce vomiting.

INDICATION FOR DOCTOR

Ingested material can be aspirated into the lungs and cause chemical pneumonia. Treat accordingly

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING

Extinguishing media: water fog, foam, powder or carbon dioxide (CO₂) Use fire extinguisher

Unsuitable extinguishing: direct water jet

FIRE FIGHTING

Fire fighting instructions: Evacuate the area. Draining fire extinguishing materials or their dilutions must not reach water, sewage systems or potable water reservoirs. Fire-fighters must use standard protective equipment and flame-retardant coats, helmets with face protection, gloves, rubber boots and heavy breathing equipment. Cool fire-exposed surfaces with water fog and protect workers.

Hazardous Combustion Products: Aldehydes, carbon oxides, products of incomplete combustion, smoke, haze

Flammability properties:

Flash Point [method]:	>182°C (360°F) [ASTM D-92]
Firing field (Vol.-% in air ca.):	Lower Explosive Limit: 0.9 Upper Explosive Limit: 7.0
Self-ignition temperature:	not determined

SECTION 6 ACCIDENTAL RELEASE MEASURES

METHOD OF NOTIFICATION

In case of discharge or accidental release inform the competent authorities in accordance with all applicable regulations.

ACTION IN CASE OF DISCHARGE OR RELEASE OF THE SUBSTANCE

Release on land: Seal the outlet, as far as possible without risk. The substance must be evacuated by pumping or neutralised with suitable absorbents.

Release in the water: Seal the outlet, as far as is possible without risk. The spilled material must be embanked immediately with barriers. Warn the boat traffic. The substance must be removed from the surface by scooping off or by using a suitable absorbent material . Before using dispersive agents an expert must be consulted .

Recommendations at the discharge or release into water or on land are based on the most probable accident scenarios for this substance. Geographic conditions, wind, temperature (and in case of release into water) waves and flow direction and velocity can influence the necessary measures considerably. Therefore, local experts must be consulted. Note: Local directives can dictate or restrict the measures to be taken.

ENVIRONMENTAL PROTECTION MEASURES

Embank large quantities of material far from the point of discharge or release and absorb and dispose of the substance later. Prevent the intrusion into waterways, sewers, basements or enclosed areas.

SECTION 7 HANDLING AND STORAGE

HANDLING

In order to avoid slip hazard prevent any outlets and leaking.

Static Accumulator: This material is a static accumulator.

STORAGE

Don't store open or unmarked containers.

SECTION 8 EXPOSURE AND PERSONAL PROTECTION

EXPOSURE LIMITS / INDICATIVE FOR SUBSTANCES IN DEALING WITH THIS PRODUCT:

If the occurrence of mists / aerosols is possible, the following is recommended:
5 mg / m³ - ACGIH TLV, 10 mg / m³ - ACGIH STEL.

Information on recommended monitoring procedures can be obtained from the following offices and institutions::

France L 'Institut National de Recherche et de Sécurité (INRS) Germany
Berufsgenossenschaftliches Institut für Arbeitssicherheit (BIA) GB Health and Safety Executive (HSE)

TECHNICAL PROTECTION

The need to safeguard and the nature of the technical measures depend on the potential exposure conditions. Possible technical measures: No special requirements under normal conditions and with adequate ventilation.

LIMITATIONS AND MONITORING OF EXPOSURE ON THE WORKPLACE

The choice of personal protective equipment depends on potential exposure conditions, like for example procedures, operation, concentration and ventilation. The following information about the choice of protective equipment when using this material are intended for normal use.

Respiratory protection: If technical measures are not sufficient to avoid a pollutant concentration in the air and for the workers health an approved respiratory device should be used.
If applicable, the choice, the use and the maintenance of respiratory protection must be in accordance with the requirements.
For this substance the suitable respiratory protection equipment is:

No special requirements under normal conditions and with adequate ventilation.

At high concentrations in the air an approved pressure hose device has to be used. At too low concentrations of oxygen, when dangerous concentrations of pollutants can not be perceived or the capacity / authorization of filtering devices is not sufficient, a self rescue hose equipment may be advised.

Hand Protection: Specific information on gloves are based on the published literature and the Data from the glove manufacturer. The working conditions affect a large extent on the life of the gloves. The gloves should be checked and replaced if they show wear. The substances suitable for these types of gloves are:

No special requirements under normal conditions of use.

Eye Protection: safety glasses with side shields are recommended in case of a potential contact.

Skin and body protection: The published literature and data of the manufacturer's include specific information about clothes. The suitable materials for fitting protective clothing are:

Under normal conditions of use an hand protection is not necessary.. Precautions to prevent skin contact should be made in accordance with good hygiene measures.

Specific hygiene measures: Always observe good personal hygiene such as washing after handling the material and before eating, drinking and / or smoking. To remove impurities clean work clothes and protective equipment regularly. To dispose contaminated clothing and footwear, that can not be cleaned. It is available to ensure for order and cleanliness .

LIMITATIONS AND MONITORING OF ENVIRONMENTAL EXPOSURE

See Sections 6, 7, 12, 13

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. If you required additional data contact Supplier in Section 1

GENERAL INFORMATION

Physical state: liquid

Colour: colourless

Odour: odourless

Odour threshold: not determined

IMPORTANT INFORMATION ABOUT THE HEALTH AND SAFETY AND ENVIRONMENTAL PROTECTION

Relative density (at 15 ° C): 0.85

Flash point [procedure]:> 182 ° C (360 ° F) [ASTM D-92]

Ignition sphere (approx vol.-% in air.): expl lower limit: 0.9 expl upper limit: 7.0

Self-ignition temperature: not determined

Boiling point / range: not determined

Vapour density (Air = 1):> 2 at 101 kPa

Vapour pressure: <0013 kPa (0.1 mm Hg) at 20 ° C

Evaporation rate (n-butyl acetate = 1): not determined

PH: na

Logarithm of the partition coefficient between n-octanol and water :> 3.5

Solubility in water: negligible

Viscosity: 14.5 cSt (14.5 mm²/sec) at 40°C - 17.5 cSt (17.5 mm²/sec) at 40°C |

3.7 cSt (3.7 mm²/sec) at 100°C

Oxidizing properties: see sections 3, 15, 16.

OTHER INFORMATION

Solidification point: not determined
Melting point: na
Pour point: -6°C (21°F)
DMSO Extract (only for mineral oils), IP-346: < 3 % weight

SECTION 10 STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions
Conditions to avoid: Excessive heat. High-energy ignition sources
Materials to avoid: Strong oxidizers
Hazardous decomposition products: This product does not decompose at ambient temperatures.
Hazardous Polymerization: no

SECTION 11 TOXICOLOGICAL INFORMATIONS

ACUTE TOXICITY

EXPOSURE	CONCLUSION / COMMENTS
INHALATION Toxicity (rat): LC50 > 5000 mg/m ³	Slightly toxic.
Irritation: Toxicological threshold effect does not exist	Elevated temperatures or mechanical operations can create vapours, mists or gases which can irritate the eyes, nose, throat and the lungs.
INGESTION Toxicity (rat): LD50 > 2000 mg/kg	Slightly toxic.
SKIN Toxicity (rabbit): LD50 > 2000 mg/kg Irritation (rabbit): Data available	Slightly toxic. Minor skin irritation at outside temperature
Eyes Irritation (rabbit): Data available	Can cause for short time slight eye discomfort

CHRONIC / OTHER EFFECTS

From the product:

When ingested or vomiting small quantities of liquid chemical can be aspirated in the lungs can cause pneumonia or pulmonary oedema . White mineral oil, low viscosity: in vitro caused no mutations. High oral doses induced by certain rats strains (F-344), microscopic inflammatory changes (microgranulom) of the liver, spleen and lymph nodes. In certain body tissues of these animals were also accumulations of saturated mineral hydrocarbons. On other rodents or other species similar effects can't be observed on the same degree.

Additional information's are available on request.

SECTION 12

ECOLOGICAL INFORMATIONS

The information's are based on available data for the product, the ingredients of the product and similar products.

ECOTOXICITY

Product - Will not be harmful to aquatic organisms .

MOBILITY

Product - this material has low solubility and floats.

Probably it enters from the water to the country. A distribution on the layer of sediment and wastewater solids can be expected.

PERSISTENCE AND DEGRADABILITY

BIOTIC DISMANTLEMENT :

Product - is inherently biodegradable

BIOACCUMALIVE POTENTIAL

Product - possess a potential to bio accumulate, however metabolism or physical properties may reduce the bio concentration or limit the biological availability.

SECTION 13

DISPOSAL INDICATIONS

Recommendations for disposal on the basis of the delivered substance: The disposal must be in accordance with the time of disposal appropriate laws and guidelines and the product properties.

GUIDELINES OF DISPOSAL

The product is suitable for burning in a closed, controlled kiln for fuel value or disposal by controlled burning at high temperatures in which the formation of unwanted inflammatory products is avoided.

INFORMATION ON PROPER DISPOSAL

European waste code: 13 02 05

Note: The waste key number is assigned and based on the most common uses of this substance and may be not mentioned by the effective use of emerging pollutants. Waste producers must assess the actual process in which waste and pollutants result to assign the applicable waste codes. This product is in conformity with Directive 91/689/EEC as hazardous waste and is subject to this Directive unless Article 1 (5) of this Directive applies.

Warning considering empty containers: Warning considering empty containers (if applicable: Empty containers may contain residues and be dangerous. Don't fill or clean containers without specific instructions. Empty drums must be completely drained and safely stored until they are adequately protected reused or disposed. Empty containers must be recycled, reused or disposed by qualified or licensed company in accordance with the applicable provisions. **TANKS SHALL NOT BE SET UNDER PRESSURE, CUTTING, WELDING, BRAZING, SOLDERING, DRILLING, GRINDING, OR HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR SUSPENDED OTHER SURCES OF IGNITION. THEY CAN EXPLODE AND CAN CAUSE INJURY OR DEATH.**

SECTION 14 TRANSPORT INFORMATIONS

LAND (ADR/RID):

This product is not subject to ADR / RID regulations for road and rail transport.

INLAND WATERS (ADNR):

This product is not subject to ADNR regulations for inland waterway transport.

SEA (IMDG):

This product is not subject to regulations of IMDG-Codes for maritime.

AIR (IATA):

This product is not subject to regulation of IATA-DGR for air cargo.

SECTION 15 REQUIREMENTS

The substance is not dangerous as defined in EU legislation on dangerous substances/products.

EU LABELING: Not labelled in accordance with EU directives

Safety Recommendations: S62; after ingestion, do not induce vomiting. Immediately consult medical advice and show this packing or label.

LEGAL STATUS AND APPLICABLE LAWS AND REGULATIONS

Is listed in the following directories / countries: AICS, IECSC, DSL, EINECS, ENCS, KECI, PICCS, TSCA

Applicable laws and regulations in the land:

For additional information please use the accident prevention regulations (BGV) and accident prevention regulations for Safety and Health at Work (BGR).

Water hazard class (WGK): 1

Incident regulations: Is not subject to the provisions of the German incident regulations.

Other German regulations: When handling with water-polluting substances the provisions of "Investment Regulation (VAwS) of countries must be considered. when handling water-polluting substances must be observed.

Technical Instructions - Air (TA-Air): This product contains substances which are subject to paragraph 5.2.5.

SECTION 16 OTHER INFORMATION

nd = not determined, na = not applicable

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING CHANGES:

Changes (revised):

- | | |
|---------------|--|
| Section 4: | First Aid - Eye (s) has been changed. |
| **Section 05: | Fire Fighting Measures - Appropriate Extinguishing Media** has been changed. |
| **Section 13: | Empty Container Warning** has been changed. |
| Section 9: | Colour has been changed. |
| Section 9: | Aggregate state has been changed. |
| **Section 01: | Product Intended Use** has been changed. |
| **Section 09: | Flammable Limits - LEL** has been changed.. |
| Section 9: | Flash point C (F) has been changed. |

Section 09: Viscosity has been changed..
Section 15: EU Inventory Requirements - Header has been changed..
Section 15: National Chemical Inventory Listing has been changed..
Section 16: Product ID (DGN) has been changed.
Section 11: Chronic Tox - Product has been changed.
Section 02: R-Phrase Key Footnote has been changed.
Section 09: Viscosity has been added.

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Appropriate warnings and instructions for safe handling must be made available to user and applicator.

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